# Toshiba LX835 Detailed Product Specification[1]

| Model Name: LX835-D3380 | Part Number: PQQ19U-009004 | UPC: 022265265239 |
|---|---|---|

## Operating System C1 2

- Windows 8

## Processor[3] and Graphics[4]

- Intel® Core™ i7-3630QM Processor
  - (6M Cache, up to 3.40 GHz) with Intel® Turbo Boost Technology
- Mobile Intel® HM76 Express Chipset
- NVIDIA® GeForce® GT 630M, featuring 2GB of DDR3 discrete graphics memory

## Memory[5]

- Configured with 8GB DDR3 1600MHz (max 16GB)
- 2 memory slots. Both slots are occupied.

## Storage Drive[6]

- 2TB (5900 RPM); Serial ATA hard disk drive

## Fixed Optical Disk Drive[7]

- DVD SuperMulti drive supporting 11 formats
  - Maximum speed and compatibility: CD-ROM (24x), CD-R (24x), CD-RW (24x), DVD-ROM (8x), DVD-R (8x), DVD-R DL (8x), DVD-RW (8x), DVD+R (8x), DVD+R DL (6x), DVD+RW (8x), DVD-RAM (5x).

## Display[8]

- 23.0" diagonal widescreen TruBrite® LED sidelight display at native resolution (FHD) with Tilt base
  - Touch Screen
  - Native support for 1080p content
  - 16:9 aspect ratio
  - 1920x1080

## Sound

- Built-in Onkyo® stereo speakers
- SRS Premium Sound 3D™

## Input Devices

- Premium Wireless Keyboard with 10-Keypad (black) and media buttons
- Wireless Mouse
- Buttons
  - Display Sleep
  - Display In via HDMI
  - AV select
  - AV Volume Up
  - AV Volume down
  - Brightness Up
  - Brightness Down
- Control Buttons (on wireless keyboard):
  - Power
  - Volume up
  - Volume down

## Communications

- HD Webcam and microphone
- 10/100/1000 Ethernet
- WiFi® Wireless networking (802.11b/g/n)[9]
- Bluetooth® version 4.0

## Expandability

- Memory Card Reader
  - Secure Digital, SDHC, SDXC, miniSD, microSD, Multi Media Card [shared slot]

## Ports

- Video
  - HDMI-In
- Audio
  - Microphone input port
  - Headphone output port
  - R/L audio port
- Data
  - 6 USB ports ((2 USB v3.0 ports + 4 USB v2.0 ports (1 with USB Sleep and Charge[10] ))
  - RJ-45 LAN port
- Security
  - Slot for Security Lock

## Physical Description

- Silver
- Dimensions (W x D x H Front/H Rear): 22.2" x 3.15" x 16.3" with base
- Weight: starting at 15 lbs.[11]

## Power

- 180W (19V 9.5A) 100-240V/50-60Hz AC Adapter.
- Dimensions (W x H x D): 6.7" x 3.4" x 1.6"
- Weight: starting at 1.9 lbs.

## Software C1 12

- Toshiba Software and Utilities
  - TOSHIBA BookPlace™
  - TOSHIBA Bluetooth Stack for Windows
  - TOSHIBA Disc Creator
  - TOSHIBA eco Utility™
  - TOSHIBA HDD Protection
  - TOSHIBA HW Setup Utility
  - TOSHIBA PC Health Monitor
  - TOSHIBA Media Player by sMedio Truelink+
  - TOSHIBA Maintenance Utility
  - TOSHIBA Recovery Media Creator
  - TOSHIBA Service Station
  - TOSHIBA Supervisor Password Utility
  - TOSHIBA Resolution+® Upconvert Technology for Media Player[13]
  - TOSHIBA Video Player
- Third-party Software
  - Internet Explorer® 10
  - Microsoft Essentials
    - Photo Gallery
    - Movie Maker
    - Skydrive desktop
  - Intel® Wireless Display 3.0[14]
  - Norton Laptop Checkup
  - SRS Premium Sound 3D™
  - Origin powered by EA Game Console
  - WildTangent® Games Console
- Special Offers and Trial Software
  - Microsoft® Office (Trial)
  - Norton Internet Security™ 2013 (30-day trial subscription)
  - NortonOnline Backup (30-day Trial)
  - Norton Anti-Theft™ (60-day Trial)

## 1 YEAR STANDARD LIMITED WARRANTY[15]

## Environmental Specifications

- This product is RoHS[16] compatible
- ENERGY STAR® Qualified
- EPEAT® Gold Rated

| | Operating | Non-operating |
|---|---|---|
| Temperature[17] | 5° to 35° C | -20° to 60° C |
| Thermal Gradient | 15° C per hour (max) | 20° C per hour (max) |
| Relative Humidity (non-condensing) | 20% to 80% | 10% to 90% |
| Altitude | 0 to 3,000 meters | 0 to 10,000 meters |

© Copyright 2012 Toshiba America Information Systems Inc. All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

| (relative to sea level) | | |
|---|---|---|
| Shock | 10G | 45G |
| Vibration | 0.5G | 1.0G |

**Service Upgrades and Extensions**
Toshiba offers many different enhanced services such as SystemGuard®, On-Site Repair, and ServiceExpress to provide additional support to your notebook PC. For a full description and complete list of programs and program terms and conditions, please visit www.support.toshiba.com.

## Accessories
For additional and most updated accessories, please visit www.accessories.toshiba.com

## Subject to Change
While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at http://www.support.toshiba.com

## Return Policy
Notwithstanding anything to the contrary in any third party License Agreement or product documentation supplied with your PC, Toshiba America Information Systems, Inc. ("TAIS") does not accept the return of component parts, or bundled software, that have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Toshiba America Information Systems, Incorporated ("TAIS")
9740 Irvine Boulevard
Irvine CA 92618

ToshibaDirect website: http://www.toshibadirect.com
TAIS website for resellers: http://sell.toshiba.com
TAIS PC Support website: http://support.toshiba.com

Satellite and SystemGuard, are registered trademarks of Toshiba America Information Systems, Inc. and/or Toshiba Corporation. All other products and names mentioned are the property of their respective owners.

---

[C1] ***64-bit computing:***
64-bit computing requires that the following hardware and software requirements are met:
- 64-bit Operating System
- 64-bit CPU, Chipset and BIOS (Basic Input/Output System)
- 64-bit Device drivers
- 64-bit applications

Certain device drivers and/or applications may not be compatible with a 64-bit CPU and therefore may not function properly. See "Detailed Specs" for more information.

---

[1] **Product Series Legal Footnote**. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at pcsupport.toshiba.com.

**Product Offering Legal Footnote**. Toshiba America Information Systems, Inc. reserves the right to modify or withdraw this offer at anytime without notice

[2] **Operating System**.

Also see ***64-Bit Computing*** Legal Footnote, if applicable.

Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

[3] **Processor (Central Processing Unit)**. Also see ***64-Bit Computing*** Legal Footnote, if applicable.

CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power
3. use of certain multimedia, computer generated graphics or video applications
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of several applications or functionalities simultaneously
7. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
8. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please visit the Toshiba website at www.pcsupport.toshiba.com for details).

© Copyright 2012 Toshiba America Information Systems Inc. All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

CPU performance may also vary from specifications due to design configuration.Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. Use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product "Detailed Specs." Contact Toshiba Technical Service and Support for more information.

[4] **Graphics (Graphics Processing Unit)**. GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

***Total Available Graphics Memory*** is the total of, as applicable, Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory will vary depending on system memory size and other factors.

[5] **Memory (Main System)**. Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. Computers configured with a 32-bit operating system can address up to 3GB of system memory. Only computers configured with a 64-bit operating system can address 4 GB or more of system memory.

[6] **Storage Drive.** Computer (Internal) HDD Capacity. One Gigabyte (GB) means $10^9$ = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = $2^{30}$ = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

[7] **Optical Drive**. Due to manufacturing and quality variations in third party optical media (e.g., CD or DVD) or optical media players/recorders, in certain cases, your Toshiba optical drive may not record on certain optical media that bear the applicable logo, or playback optical media recorded by other PCs or optical media recorders. Additionally, certain optical media recorded on your optical drive may not playback or operate properly on other PCs or optical media players. These problems are not due to any defect in your Toshiba PC or optical drive. Please refer to your PC's product specification for listing of specific format compatibilities. Recording or viewing of certain optical media may be limited or prevented in accordance with applicable copy protection standards.

[8] **Display**. Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the screen will deteriorate. This is also an intrinsic characteristic of the screen technology. When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power.

[9] **Wireless** May require purchase of additional software, external hardware, or services. Transmission speeds may vary. Certain optional features within the wireless-n specifications (if available on your system) may not be supported.

[10] **USB Sleep & Charge.** The "USB Sleep & Charge function" may not work with certain external devices even if they are compliant with the USB specification. In those cases, turn the power of the computer ON to charge the device.

[11] **Weight**. Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

[12] **Software**. Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

Certain Microsoft® software products (including Microsoft Office Small Business Accounting if applicable) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software products or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Internet access is required to enable certain functionality of certain Microsoft products (including Microsoft Office Small Business Accounting 2006) which may be included with this computer

Includes Microsoft® Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.

[13] **Upconverter/UpconversionTechnology (Resolution+® Technology).** Viewing enhancements may vary depending upon content quality and display device capability/functionality/settings. Depending on the quality of the content, some video noise may be visible.

[14] **Intel® Wireless Display. Copy protection technology, if any, associated with the content may prevent or limit viewing of content.**

[15] **Warranty.** The terms and conditions of Toshiba's standard limited warranty are available at www.warranty.toshiba.com.

[16] **RoHS.** This notebook is compatible with European Union Directive 2002/95/EC, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its notebook component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.

[17] **Temperature (Environmental) Conditions**. All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.

© Copyright 2012 Toshiba America Information Systems Inc. All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.